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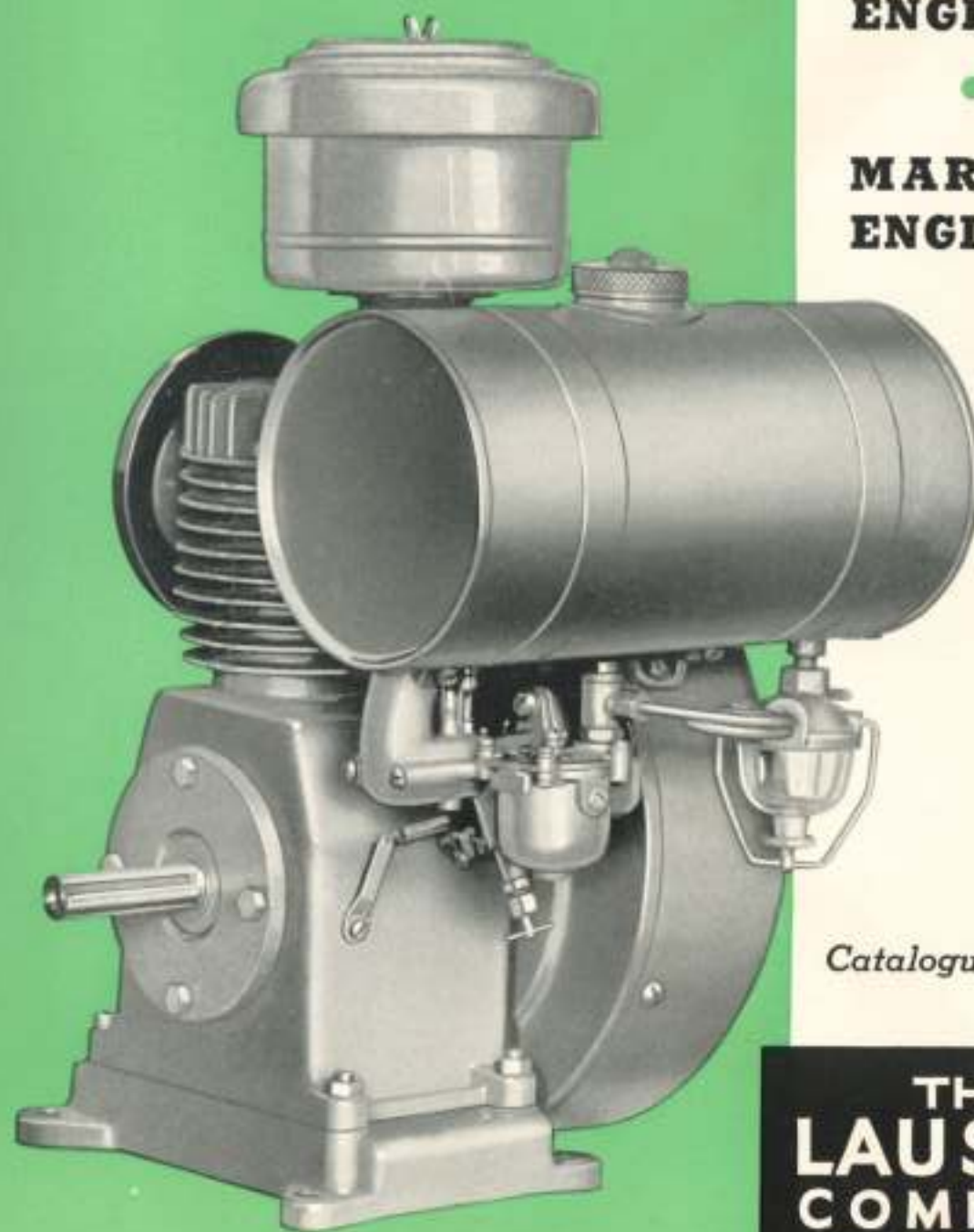
THE A. J. ALSDORF CORPORATION  
223 W. Jackson Blvd.  
CHICAGO, U. S. A.

# LAUSON

FOUR CYCLE  
AIR  
COOLED  
ENGINES

WATER  
COOLED  
ENGINES

MARINE  
ENGINES



Catalogue No. 39

THE  
**LAUSON**  
COMPANY  
NEW HOLSTEIN,  
WISCONSIN, U.S.A.

# LAUSON

# AIR COOLED ENGINES



Type 150  
Foot Starter Model  
Suction Feed Carburetor



Type 156  
Showing Mounting Pad  
Float Feed Carburetor



Dust Proof Model  
Showing Oil Bath Air Cleaner

RLC 1/2 to 3/4 H. P.  
RSC 3/4 to 1 H. P.

**LIGHT WEIGHT**—Suitable for lawn-mowers, portable pumps and all other installations requiring light weight and dependable power.

**BALL BEARINGS**—Counter balanced crank-shaft for smooth operation and long life.

**FLYBALL TYPE GOVERNOR**—For close speed regulation suitable for generator service.

**MACHINED PAD**—On drive shaft side of engine for mounting generators, centrifugal pumps and other equipment direct to engine.

**PATENTED FOOT STARTER**—Light weight and dependable.

**ALUMINUM CYLINDER HEAD**—For better cooling.

**MAGNETO IGNITION**—High tension flywheel type.

**BATTERY IGNITION**—Available on all types.

**SPECIAL DUST PROOF MODELS**—For lawn-mower and other dusty service.

**VALVE INSERTS**—Standard on RSC.

**ANTI-CLOCKWISE ROTATION OPTIONAL**—On all types RL and RS engines.

**OIL PUMP**—Optional equipment.

**RADIO SHIELDING**—Furnished as additional equipment on all models.

**FINISH**—Green enamel. Other colors available.

## RLC and RSC MODELS

Type No.	Type Starter	Description	RLC Code Word	RSC Code Word
150	Pedal	Magneto Ignition, Suction Feed Mixer, Air Cleaner	Tiny	Suny
151	Pedal	Battery Ignition, Suction Feed Mixer, Air Cleaner	Tip	Wafar
154	Pedal	Magneto Ignition, Float Feed Carburetor, Air Cleaner	Tippet	Wage
155	Pedal	Battery Ignition, Float Feed Carburetor, Air Cleaner	Tipple	Wake
152	Rope	Magneto Ignition, Suction Feed Mixer, Air Cleaner	Title	Wallet
153	Rope	Battery Ignition, Suction Feed Mixer, Air Cleaner	Tittle	Walnut
156	Rope	Magneto Ignition, Float Feed Carburetor, Air Cleaner	Titter	Warp
157	Rope	Battery Ignition, Float Feed Carburetor, Air Cleaner	Tireless	Wasp
163	Hand Lever	Magneto Ignition, Suction Feed Mixer, Air Cleaner	Tirade	Wax

## RLC and RSC SPECIFICATIONS

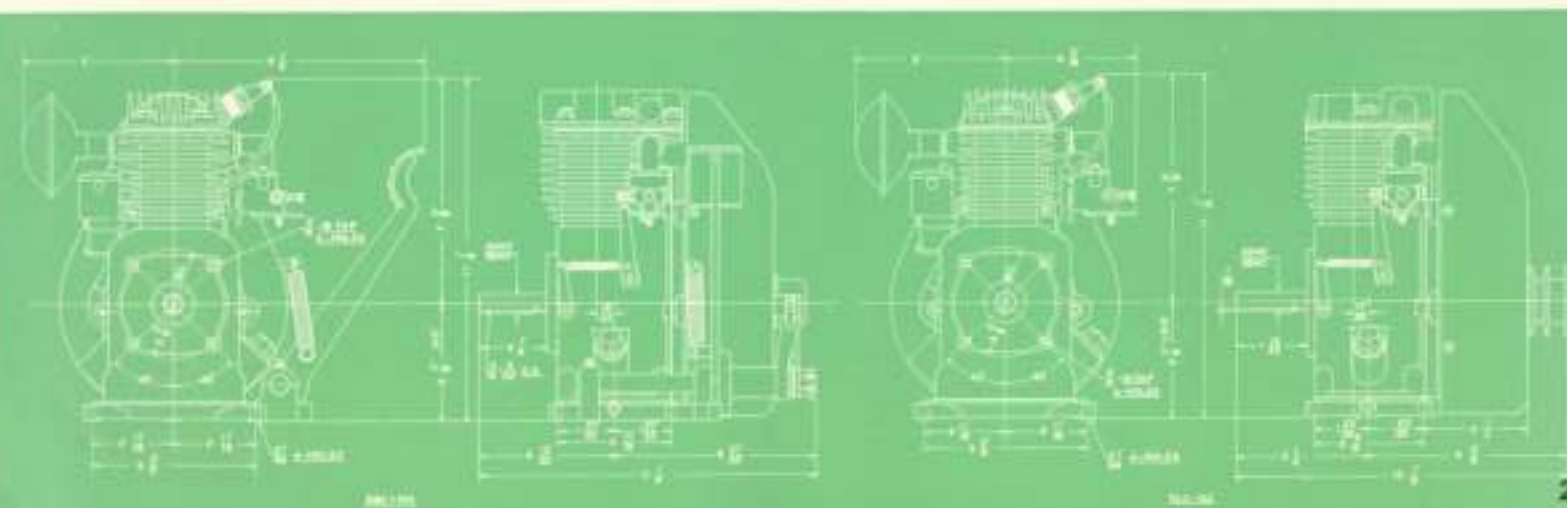
4 Cycle.....	L-head vertical single cylinder
Cylinder.....	Finest close grained grey iron
Crank-shaft.....	Counter balanced steel forging, heat treated
Connecting Rod.....	Aluminum Alloy—1 beam section
Piston.....	Aluminum Alloy—heat treated
Piston Pin.....	Steel—hardened and ground
Cam.....	Steel—machined, hardened and ground
Valves.....	Steel—mechanically operated
Governor.....	Flyball type with speed regulator
Ignition.....	High tension flywheel type magneto
Carburetor.....	Suction feed or float feed types
Lubrication.....	Splash (Oil pump optional)
Head.....	Aluminum alloy
Main Bearings.....	Anti-friction ball bearings
Air Cleaner.....	Moss or oil bath types
	RLC RSC
Bore.....	1-3/4" 2"
Stroke.....	1-3/8" 1-3/4"
Piston Displacement.....	4.5 cu. in. 5.9 cu. in.

Compression Ratio.....	4.5 to 1	5 to 1
Connecting Rod Bearing.....	3/4" x 3/8"	1/2" x 3/8"
Diameter of Wrist Pin.....	1 1/2"	1 1/2"
Diameter of Valves.....	1 1/2"	1 1/2"
Number of Compression Rings.....	2	2
Number of Oil Rings.....	1	1
Width of Compression Rings.....	1 1/2"	1 1/2"
Width of Oil Ring.....	1 1/2"	1 1/2"
Length of Connecting Rod.....	3-1/2"	3-3/8"
Size of Power Take-off Shaft.....	3/8"	3/8"
Spark Plug Size.....	14 mm	14 mm
Rotation of Take-off Shaft.....	Counter-clockwise facing shaft	Counter-clockwise facing shaft
Oil Capacity.....	1 pt.	1 pt.
Weight of Engine with Rope Starter.....	25 lbs.	27 lbs.
Fuel Tank Capacity.....	1 qt. or 1/2 gal.	1 qt. or 1/2 gal.

NOTE: Specifications and Dimensions are Subject to Change Without Notice

## SHIPPING INFORMATION

Type	Approx. Domestic Shipping Weight	Approx. Export Shipping Weight	Boxed for Export Dimensions—1 in Box	Code Word
RLC-150	35	45	16"x14"x15"	Tiny
RSC-150	35	45	16"x14"x15"	Suny





TCL 156

## TLC 1 to 1½ H. P.

**LIGHT WEIGHT**—The light weight of the TLC engine and compact design places this engine in a class by itself for portable installations including pumps, lawn-mowers, garden cultivators, and similar applications where weight is a factor.

**BALL BEARINGS**—Counter balanced crank-shaft for smooth operation and long life.

**FLYBALL GOVERNOR**—With close speed regulation; suitable for generator service.

**MACHINED PAD**—Permits accessible direct mounting of pumps, generators, blowers, etc.

**ALUMINUM CYLINDER HEAD**—For better cooling.

**MAGNETO IGNITION**—Dust proof, high tension, flywheel type.

**VALVE INSERTS**—Standard on all TLC engines.

**LUBRICATION**—Positive pump and splash system.

**STANDARD EQUIPMENT**—Oil bath air cleaner, fuel strainer.

**RADIO SHIELDING**—Can be furnished as additional equipment on all models.

**STARTER**—Hand crank or rope starter, optional equipment.

**FINISH**—Blue enamel. Other colors available.



TCL 158



TCL 156  
Showing Mounting Pad

## TLC MODELS

Type No.	Type Starter	Description	Code Word
156	Rope	Magneto Ignition, Oil Bath Air Cleaner and Gasoline Filter	Keep
158	Hand Crank	Magneto Ignition, Oil Bath Air Cleaner and Gasoline Filter	Kilt
167	Hand Crank	Magneto Ignition, Crank on Power Take-off End Stub Shaft on Flywheel End. Moss Type Air Cleaner	Kamp
178	Rope	Magneto Ignition, Gasoline Filter. No Air Cleaner	Koam
190	Hand Crank	Magneto Ignition, Gasoline Filter. No Air Cleaner	Krank

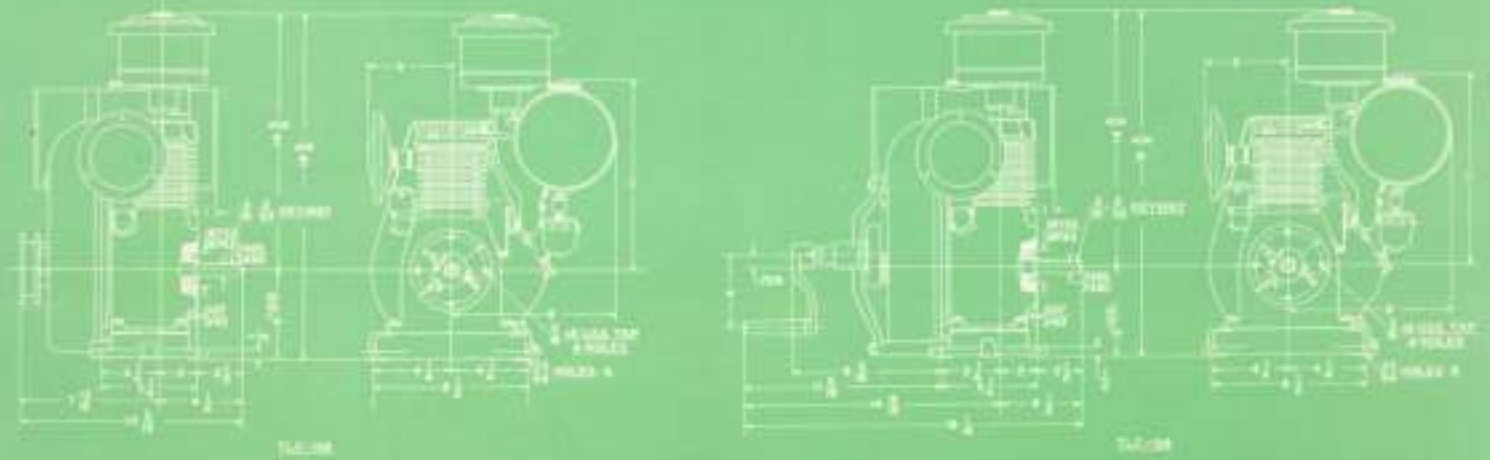
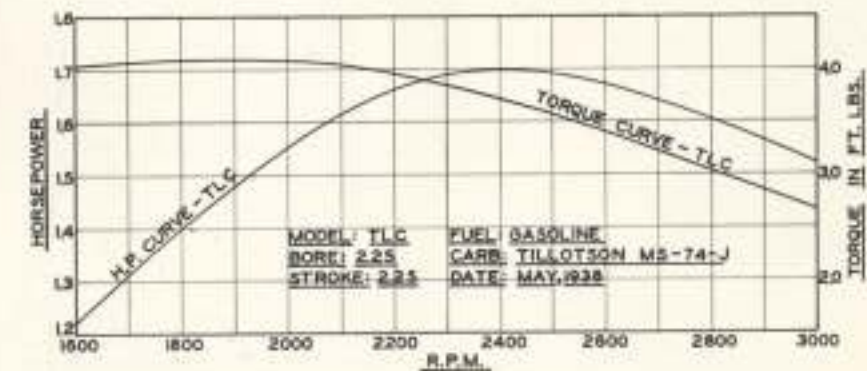
## TLC SPECIFICATIONS

4 Cycle	L-head vertical single cylinder	Connecting Rod Bearing	3/8"x1/8"
Cylinder	Finest close grained grey iron	Diameter of Wrist Pin	1 1/4"
Crank-shaft	Counter balanced steel forging—heat treated	Diameter of Valves	1"
Connecting Rod	Aluminum Alloy—I beam section	Number of Compression Rings	2
Piston	Aluminum Alloy—heat treated	Number of Oil Rings	1
Piston Pin	Steel—hardened and ground	Width of Compression Rings	3/4"
Cam	Steel—machined, hardened and ground	Width of Oil Rings	4 1/2"
Valves	Steel—mechanically operated	Length of Connecting Rod	4 1/2"
Valve Seat Inserts	Nickel chrome Molybdenum iron	Size of Power Take-off Shaft	3/4"
Governor	Flyball type with speed regulator	Spark Plug—Size	14 m/m
Ignition	High tension flywheel type magneto	Rotation of Take-off Shaft	Counter-clockwise facing shaft
Carburetor	Automotive type float feed	Fuel Tank Capacity	1 gal.
Lubrication	Splash system with oil pump	Oil Capacity	1 qt.
Head	Aluminum Alloy	Weight of Engine with Rope Starter TLC-156	52 lbs.
Main Bearings	Anti-friction ball bearings	Weight of Engine with Hand Crank Starter TLC-158	60 lbs.
Air Cleaner	Oil Bath Type—Moss Type optional		
Bore	2 1/4"		
Stroke	2 1/4"		
Piston Displacement	8.94 cu. in.		
Compression Ratio	6-1		

NOTE: Specifications and Dimensions Are Subject to Change Without Notice

## SHIPPING INFORMATION

Type	Approx. Domestic Shipping Weight	Approx. Export Shipping Weight	Boxed for Export Dimensions	Code Word
TLC-156	60	85	21"x18"x19"	Keep





Type 815

## RAY 1 H. P. LB 2 to 2 1/4 H. P.

TIMKEN BEARING—Counter balanced crank-shaft.

FLYBALL GOVERNOR—Extremely close regulation.

ALUMINUM CYLINDER HEAD—For better cooling.

MAGNETO IGNITION—High tension flywheel type.

LUBRICATION—Positive pump and splash system.

STARTERS—Patented gear starter with foot pedal or hand lever; hand crank starter, or rope starter.

RADIO SHIELDING—Can be furnished as additional equipment on all models RAY and LB engines.

Construction and design of RAY and LB engines are similar. Slightly larger over-all dimensions and increased bore and stroke give the LB engine additional horse-power.

FINISH—Green enamel. Other colors available.



Type 814

### RAY and LB MODELS

Type No.	Type Starter	Description	RAY Code Word	LB Code Word
813	Rope	Magneto Ignition, Gasoline Strainer	Russo	Landmark
814	Hand Crank	Magneto Ignition, Gasoline Strainer	Rust	Landscape
815	Pedal	Magneto Ignition, Gasoline Strainer	Russo	Lanne
821	Rope	Magneto Ignition, Twin Disc Clutch, Gasoline Strainer		Lap
822	Rope	Magneto Ignition, 3:1 Internal Gear Speed Reducer, Gasoline Strainer		Lard
825	Hand Crank	Magneto Ignition, Crank on Power Take-off End, Stub Shaft on Flywheel End, Gasoline Strainer	Ruth	Lark
847	Rope	Magneto Ignition, Twin Disc Clutch and 3:1 Internal Gear Speed Reducer, Gasoline Strainer		Larynx



Type 813  
Showing Mounting Pad

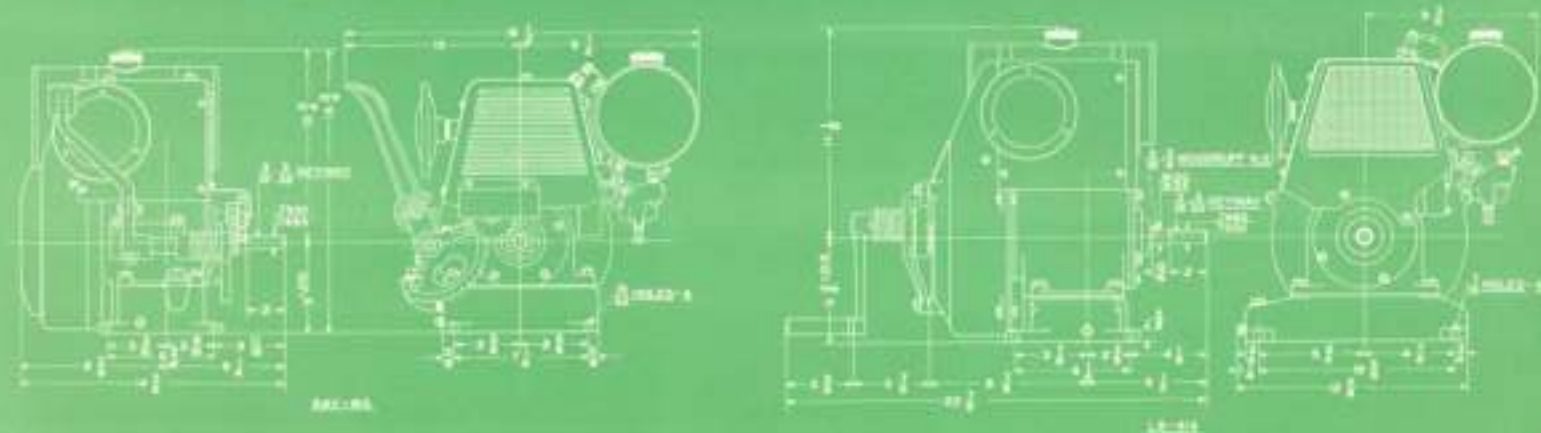
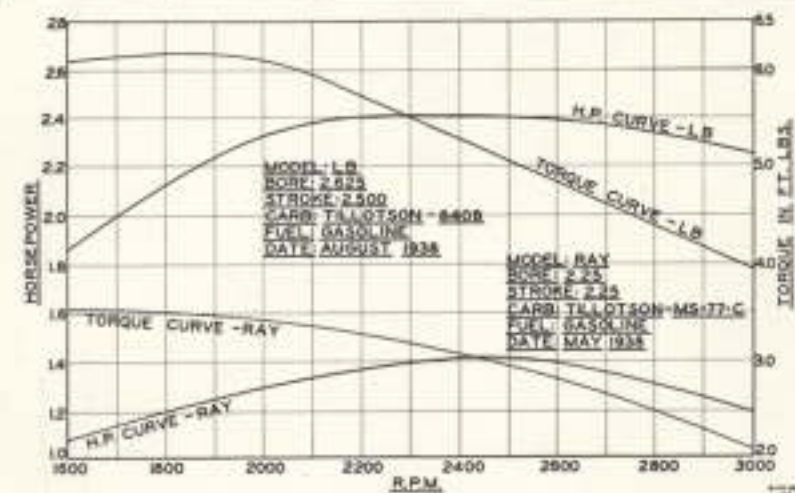
## RAY and LB SPECIFICATIONS

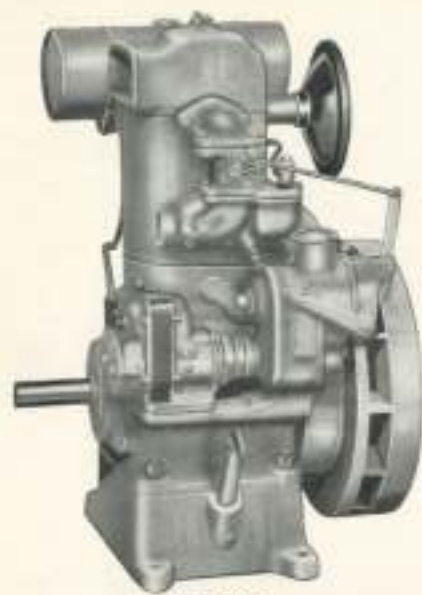
4 Cycle	L-head vertical single cylinder	Compression Ratio	RAY 5-1	LB 6-1
Cylinder	Finest close grained grey iron	Connecting Rod Bearing	3/8"x3/4"	1 1/8"x1"
Crank-shaft	Counter balanced steel forging, heat treated	Diameter of Wrist Pin	1 1/8"	1 1/8"
Connecting Rod	Aluminum Alloy—I beam section	Number of Compression Rings	2	2
Piston	Aluminum Alloy—heat treated	Number of Oil Rings	1	1
Piston Pin	Steel—hardened and ground	Width of Compression Rings	1 1/8"	1 1/8"
Cam	Steel—machined, hardened and ground	Width of Oil Ring	4 1/8"	5 1/8"
Valves	Steel—mechanically operated	Length of Connecting Rod	4 1/8"	5 1/8"
Governor	Flyball type with speed regulator	Size of Power Take-off Shaft	18 mm	18 mm
Ignition	High tension flywheel type magneto	Spark Plug Size	18 mm	18 mm
Carburetor	Automotive type float feed	Rotation of Take-off Shaft	Counter-clockwise facing shaft	
Lubrication	Splash with oil pump	Oil Capacity	2 1/4 pts.	3 pts.
Head	Aluminum Alloy	Weight of Engine with Rope Starter Type 813	71 lbs.	98 lbs.
Main Bearings	Timken Roller	Weight of Engine with Hand Starter Type 814	89 lbs.	102 lbs.
Air Cleaner	Moss or Oil Bath Type	Weight of Engine with Kick Starter Type 815	85 lbs.	105 lbs.
		Fuel Tank Capacity	1 Gal.	1 Gal.
Bore	RAY 2 1/4" LB 2 3/8"			
Stroke	RAY 2 1/4" LB 2 1/8"			
Piston Displacement	RAY 8.94 LB 13.52			

NOTE: Specifications and Dimensions are Subject to Change Without Notice

### SHIPPING INFORMATION

Type	Approx. Domestic Shipping Weight	Approx. Export Shipping Weight	Boxed for Export Dimensions	Code Word
RAY-815	95	115	21"x18"x19"	Russo
LB-815	110	150	23"x19"x21"	Lanne





UAS-800

## UAS 3 H. P.

**TIMKEN ROLLER BEARING**—Counter balanced crank-shaft.

**VALVE IN HEAD**—Construction for maximum efficiency.

**MACHINED PAD**—On drive shaft side permits direct mounting of pumps, generators, blowers, etc.

**MAGNETO IGNITION**—High tension magneto with impulse starter.

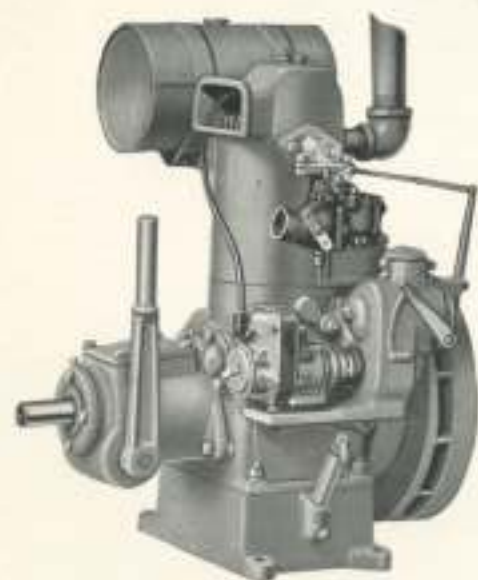
**LUBRICATION**—Positive pump and splash system.

**RADIO SHIELDING**—Optional equipment.

**AIR CLEANER**—Optional equipment.

**STARTER**—Hand crank or rope.

**FINISH**—Grey enamel. Other colors available.



UAS-821

## UAS MODELS

Type No.	Type Starter	Description	Code Word
800	Hand Crank	Magneto Ignition	Air
821	Hand Crank	Magneto Ignition, Twin Disc Clutch	Aisle
822	Hand Crank	Magneto Ignition, 3:1 Internal Gear Speed Reducer	Alarm
847	Hand Crank	Magneto Ignition, Twin Disc Clutch and 3:1 Internal Gear Speed Reducer	Albino

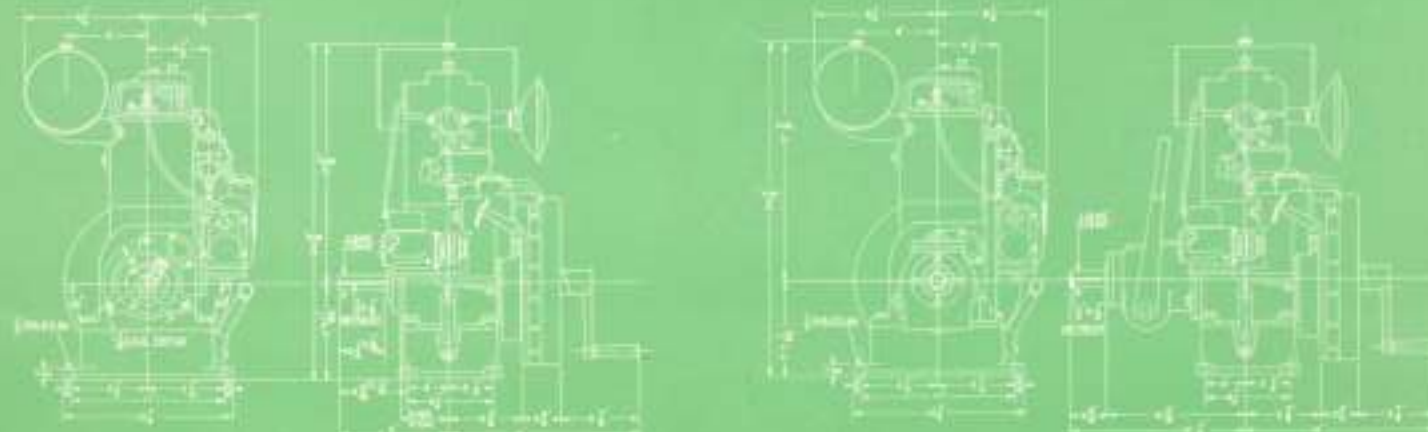
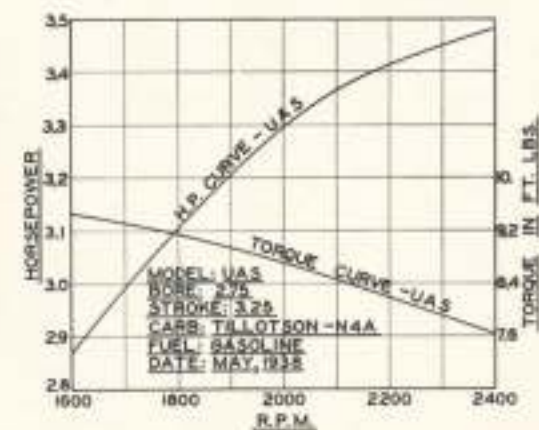
## UAS SPECIFICATIONS

4 Cycle	Vertical single cylinder valve in head	Connecting Rod Bearing	1 1/4" x 1 1/2"
Cylinder	Finest close grained grey iron	Diameter of Wrist Pin	3/8"
Crank-shaft	Counterbalanced steel forging—heat treated	Diameter of Valves	1 1/4"
Connecting Rod	Drop forged steel—I beam section heat treated	Number of Compression Rings	2
Piston	Close grained grey iron	Number of Oil Rings	1
Piston Pin	Steel—hardened and ground	Width of Compression Rings	1 1/4"
Cam	Steel—machined, hardened and ground	Width of Oil Rings	3/8"
Valves	Steel—mechanically operated	Length of Connecting Rod	7"
Governor	Flyball type with speed regulator	Size of Power Take-off Shaft	1 1/4"
Ignition	High tension magneto with impulse starter	Rotation of Take-off Shaft	Counter-clockwise facing shaft
Carburetor	Automotive type float feed	Fuel Tank Capacity	1 1/2 gal.
Lubrication	Splash system with oil pump	Oil Capacity	2 1/2 pts.
Head	Chrome nickel iron	Weight of Engine With Hand Crank Starter Type UAS-800	172 lbs.
Main Bearings	Timken Roller	Weight of Engine With Clutch, Type UAS-821	194 lbs.
Air Cleaner	Moss or Oil Bath	Weight of Engine With Clutch and 3:1 Internal Gear Speed Reducer, Type UAS-847	210 lbs.
Bore	2 1/4"		
Stroke	3 1/4"		
Piston Displacement	19.30 cu. in.		
Compression Ratio	4 to 1		

NOTE: Specifications and Dimensions Are Subject to Change Without Notice

## SHIPPING INFORMATION

Type	Approx. Domestic Shipping Weight	Approx. Export Shipping Weight	Boxed for Export Dimensions	Code Word
UAS-800	190	230	23"x21"x29"	Air





RCR-900

## RCR 1 H. P. LFR 2½ H. P.

WATER COOLED—Suitable for continuous operation.

MAIN BEARINGS—RCR 1 H.P. engine ball bearing. LFR 2½ H.P. engine Timken bearing.

FLYBALL GOVERNOR—For close regulation, equipped with convenient speed control.

MAGNETO IGNITION—High tension, flywheel type. (Battery Ignition optional on RCR.)

LUBRICATION—Positive pump and splash system.

AIR CLEANER—Moss type, standard on RCR; optional on LFR.

MACHINED PAD—On drive shaft side permits direct mounting of pumps, generators, blowers, etc.

STARTER—Rope on RCR; hand crank on LFR.

FINISH—Grey enamel. Other colors available.



RCR-900  
Showing Mounting Pad



LFR-900

### RCR and LFR MODELS

Type No.	Type Starter	Description	Code Word
900	Rope	RCR Magneto Ignition, Vertical Radiator Cooled, Moss Type Air Cleaner	Reel
900	Hand Crank	LFR Magneto Ignition, Vertical Radiator Cooled Engine	Rumo

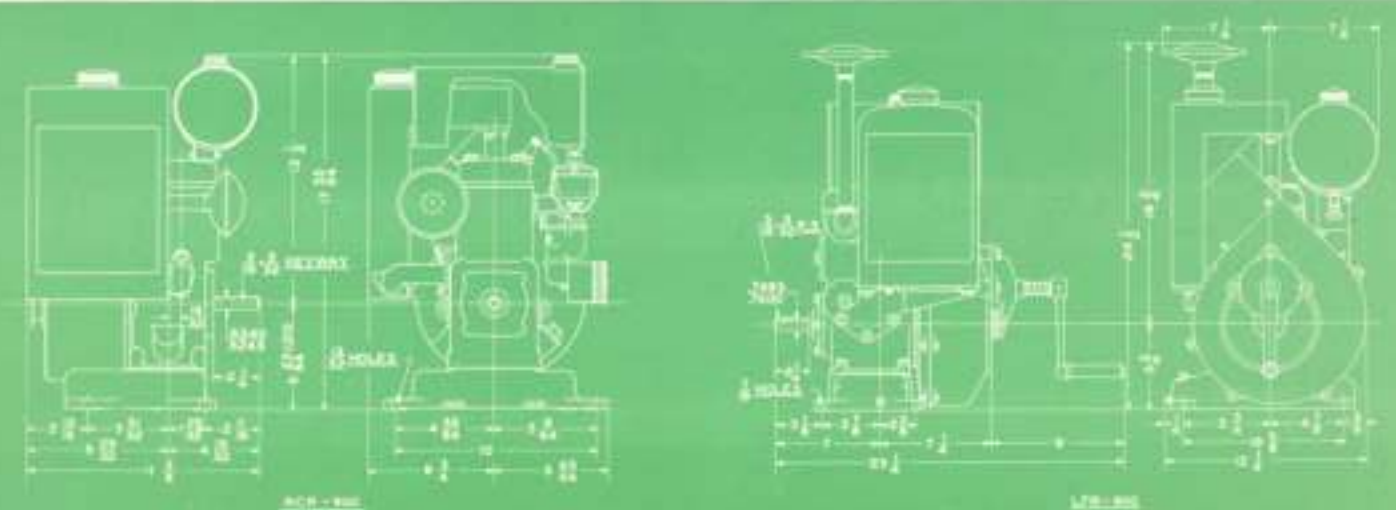
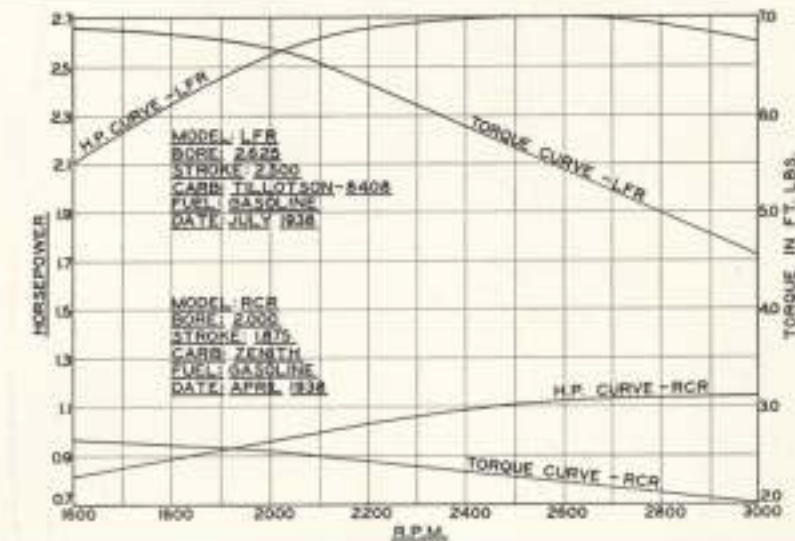
### RCR and LFR SPECIFICATIONS

4 Cycle	L-head vertical single cylinder	Compression Ratio	RCR 5 to 1	LFR 6 to 1
Cylinder	Finest close grained grey iron	Connecting Rod Bearing	3/4" x 3/4"	1 1/8" x 1"
Crank-shaft	Counterbalanced steel forging, heat treated	Diameter of Wrist Pin	1 1/8"	1 1/8"
Connecting Rod	Aluminum Alloy—1 beam section	Diameter of Valves	1 1/2"	1 1/2"
Piston	Aluminum Alloy—heat treated	Number of Compression Rings	2	2
Piston Pin	Steel—hardened and ground	Number of Oil Rings	1	1
Cam	Steel—machined, hardened and ground	Width of Compression Rings	1 1/8"	1 1/8"
Valves	Steel—mechanically operated	Width of Oil Rings	1 1/8"	1 1/8"
Governor	Flyball type with speed regulator	Length of Connecting Rod	3 3/8"	5 1/8"
Ignition	High tension flywheel type magneto	Size of Power Take-off Shaft	3/8"	5/8"
Carburetor	Automotive float feed type	Spark Plug Size	14 mm	18 mm
Lubrication	Splash with oil pump	Rotation of Take-off Shaft	Counter-clockwise facing shaft	Clockwise facing shaft
Head	Close grained grey iron	Oil Capacity	3 pts.	3 pts.
Main Bearings RCR	Anti-friction ball bearings	Weight of Engine	55 lbs.	122 lbs.
Main Bearings LFR	Timken Roller	Fuel Tank Capacity	.6 Gal.	1 Gal.
Air Cleaner	Moss type			
Bore	RCR 2"	LFR 2 1/8"		
Stroke	1 3/8"	2 1/2"		
Piston Displacement	5.9 cu. in.	13.52 cu. in.		

NOTE: Specifications and Dimensions Are Subject to Change Without Notice

#### SHIPPING INFORMATION

Type	Approx. Domestic Shipping Weight	Approx. Export Shipping Weight	Boxed for Export Dimensions	Code Word
RCR-900	65	78	17"x14"x20"	Reel
LFR-900	120	175	18"x17"x24"	Rumo





ZWR-900

## ZWR 5 to 5½ H. P.

**WATER COOLED**—For continuous operation.

**MAIN BEARINGS**—Timken roller.

**FLYBALL GOVERNOR**—For close regulation, equipped with convenient speed control.

**MACHINED PAD**—On drive shaft side permits direct mounting of pumps, generators, blowers, etc.

**STARTER**—Hand crank.

**VALVE IN HEAD**—Construction for maximum efficiency.

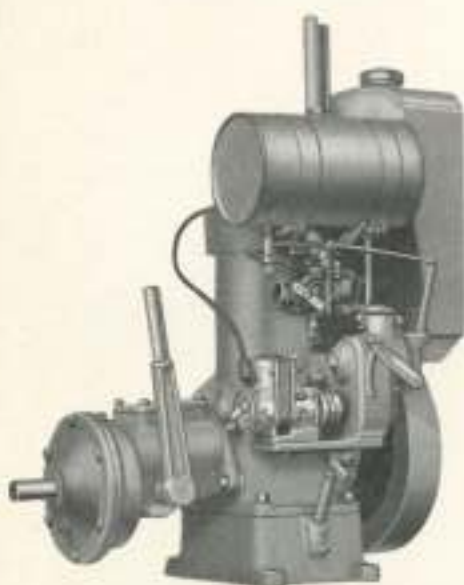
**MAGNETO IGNITION**—High tension magneto with impulse starter.

**LUBRICATION**—Positive pump and splash system.

**RADIO SHIELDING**—Optional equipment.

**AIR CLEANER**—Oil bath and Moss types optional equipment.

**FINISH**—Grey enamel. Other colors available.



ZWR-947

## ZWR MODELS

Type No.	Type Starter	Description	Code Word
900	Hand Crank	Magneto Ignition, Vertical Radiator Cooled Engine With Flat Base and Standard Take-off Shaft	Romke
921	Hand Crank	Magneto Ignition, Vertical Radiator Cooled Engine, With Flat Base and Twin Disc Clutch	Rump
922	Hand Crank	Magneto Ignition, Vertical Radiator Cooled Engine With Flat Base and 3:1 Internal Gear Speed Reducer	Rumor
947	Hand Crank	Magneto Ignition, Vertical Radiator Cooled Engine With Twin Disc Clutch and 3:1 Internal Gear Speed Reducer	Rush

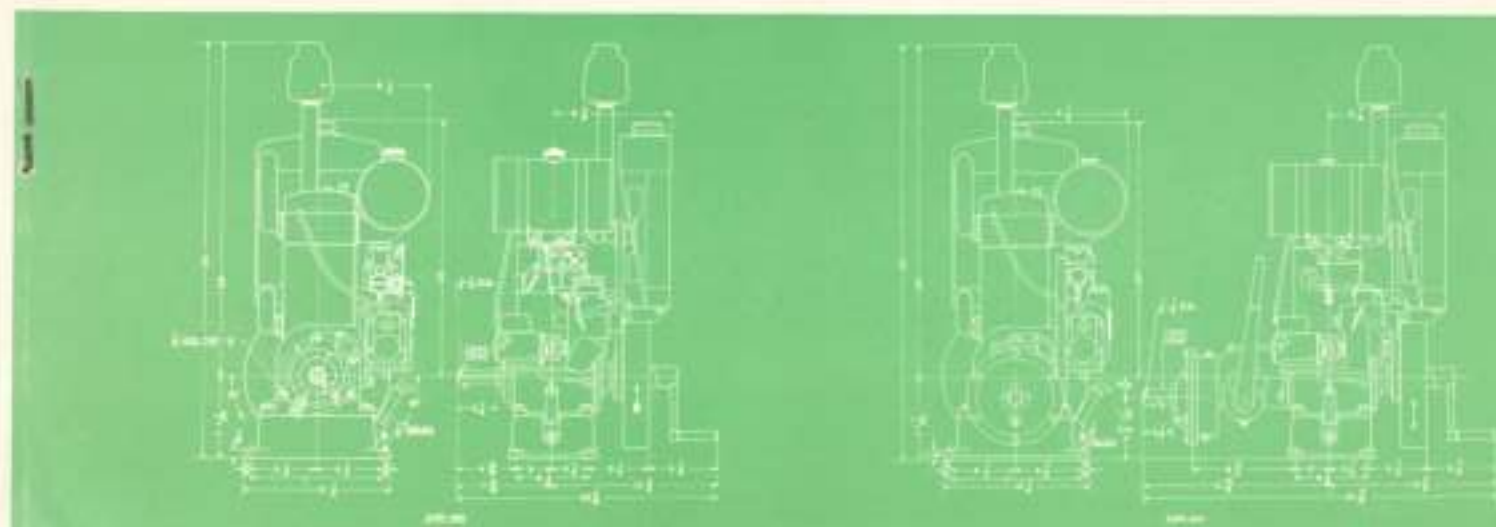
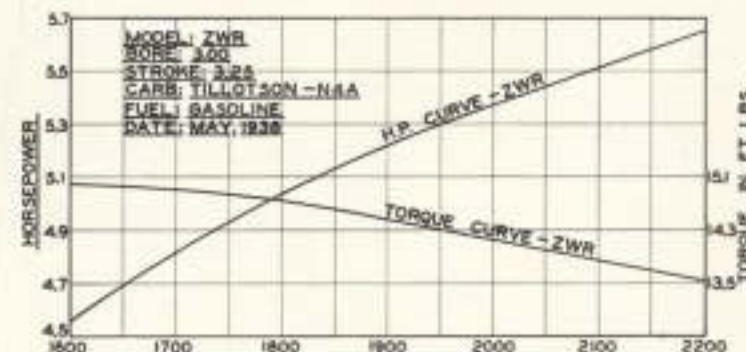
## ZWR SPECIFICATIONS

4 Cycle.....	Vertical single cylinder valve in head	Connecting Rod Bearing.....	1 1/4" x 1 1/2"
Cylinder.....	Finest close grained grey iron	Diameter of Wrist Pin.....	3/4"
Crank-shaft.....	Counter balanced steel forging, heat treated	Diameter of Valves.....	1 1/8"
Connecting Rod.....	Drop Forged Steel—1 beam section heat treated	Number of Compression Rings.....	2
Piston.....	Aluminum Alloy—heat treated	Number of Oil Rings.....	2
Piston Pin.....	Steel—hardened and ground	Width of Compression Rings.....	1 1/2"
Cam.....	Steel—machined, hardened and ground	Width of Oil Rings.....	1 1/8" x 1 1/4"
Valves.....	Steel—mechanically operated	Length of Connecting Rod.....	7"
Governor.....	Flyball type with speed regulator	Size of Power Take-off Shaft.....	1 1/2"
Ignition.....	High tension magneto with impulse starter	Spark Plug Size.....	1 1/8" SAE
Carburetor.....	Automotive type float feed	Rotation of Take-off Shaft.....	Counter-clockwise facing shaft
Lubrication.....	Splash system with oil pump	Fuel Tank Capacity.....	1- 1/8 Gal.
Head.....	Finest close grained grey iron	Oil Capacity.....	3 1/2 pts.
Main Bearings.....	Timken Roller	Weight of Engine With Hand Crank Starter ZWR-900.....	200 lbs.
Air Cleaner.....	Oil Bath or Moss Type	Weight of Engine With Clutch ZWR-921.....	222 lbs.
Bore.....	3	Weight of Engine With 3 to 1 Gear Reduction ZWR-922.....	222 lbs.
Stroke.....	3 1/4"	Weight of Engine With Clutch and 3 to 1 Gear Reduction Unit ZWR-947.....	238 lbs.
Piston Displacement.....	22.97 cu. in.		
Compression Ratio.....	4-1		

NOTE: Specifications and Dimensions Are Subject to Change Without Notice

## SHIPPING INFORMATION

Type	Approx. Domestic Shipping Weight	Export Shipping Weight	Boxed for Export Dimensions	Code Word
ZWR-900	220	265	18"x16"x32"	Romke



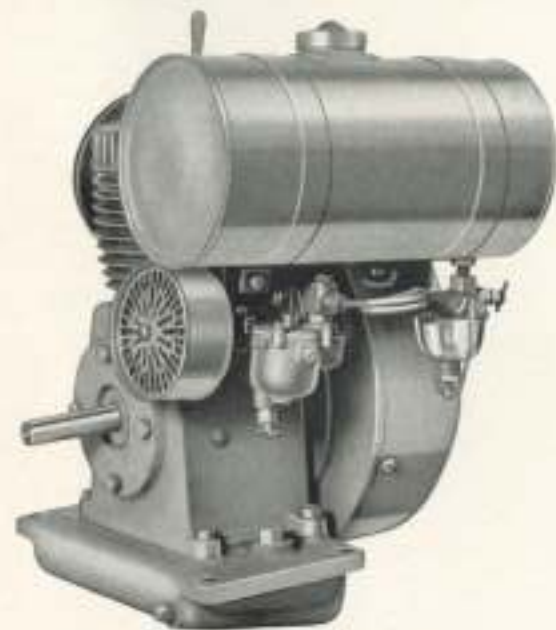


## RSM-826— $\frac{3}{4}$ to 1 H. P.

This is the type RSC engine adapted to marine service. For detailed specifications see page 2.

This light weight, air-cooled motor is suitable for installation in small boats of 12 to 14 feet in length and giving speed of from 2 to 8 miles per hour. Fuel consumption is approximately 1 gallon in 10 hours.

Standard equipment includes air cleaner, flame arrester, marine type base with oil pump, gasoline tank, gasoline strainer, float feed Tillotson carburetor and convenient hand throttle control. Remote type of throttle control with 6 feet of cable is available as additional equipment. Ball bearing construction eliminates need for end thrust bearing to take up propeller thrust on propeller shaft. A silent muffler is available as additional equipment.



## TLM-826—1 to $1\frac{1}{2}$ H. P.

This is the type TLC engine adapted to marine service. For detailed specifications see page 4.

The TLM is a light weight, air-cooled 1 to  $1\frac{1}{2}$  H.P. engine suitable for inboard mounting in boats 14 to 16 feet in length giving 2 to 10 miles per hour. Fuel consumption is approximately  $1\frac{1}{2}$  gallons in 10 hours.

Standard equipment includes air cleaner, flame arrester, marine type base with oil pump, gasoline tank, float feed carburetor, gasoline strainer and hand throttle control. Remote type of throttle control with 6 feet of cable is available as additional equipment. Ball bearing construction eliminates need for end thrust bearing to take propeller thrust on propeller shaft. A silent muffler is available as additional equipment.



## LBM-826—2 to $2\frac{1}{4}$ H. P.

This is the type LB engine adapted to marine service. For detailed specifications see page 6.

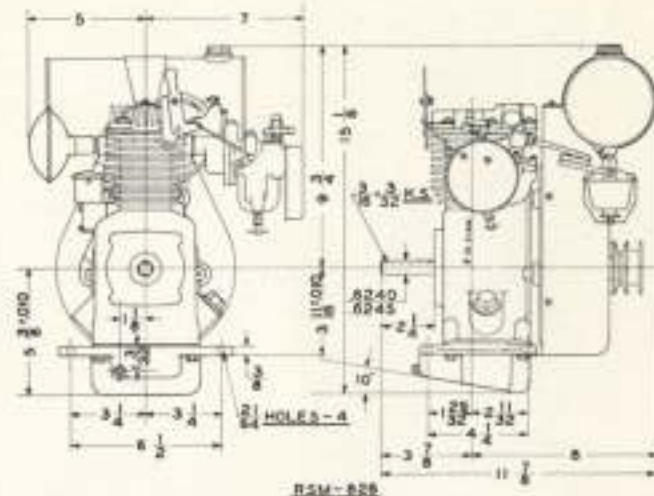
This 2 to  $2\frac{1}{4}$  H.P. air-cooled engine is suitable for installation in boats 14 to 18 feet in length giving 2 to 10 miles per hour.

Standard equipment includes air cleaner and flame arrester, oil pump with marine base, gasoline tank with gasoline strainer, float feed carburetor and hand throttle control. Remote type throttle control with 6 feet of cable is available as additional equipment. Timken bearings on crankshaft eliminate need for end thrust bearing to take propeller thrust on propeller shaft. A silent muffler is available as additional equipment.

### SPECIFICATIONS RSM-826

Net weight	31 lbs.
Oil capacity	$1\frac{1}{2}$ pts.
Fuel tank capacity	$\frac{1}{2}$ gal.
Starter	Rope
Finish	Green enamel Other colors available

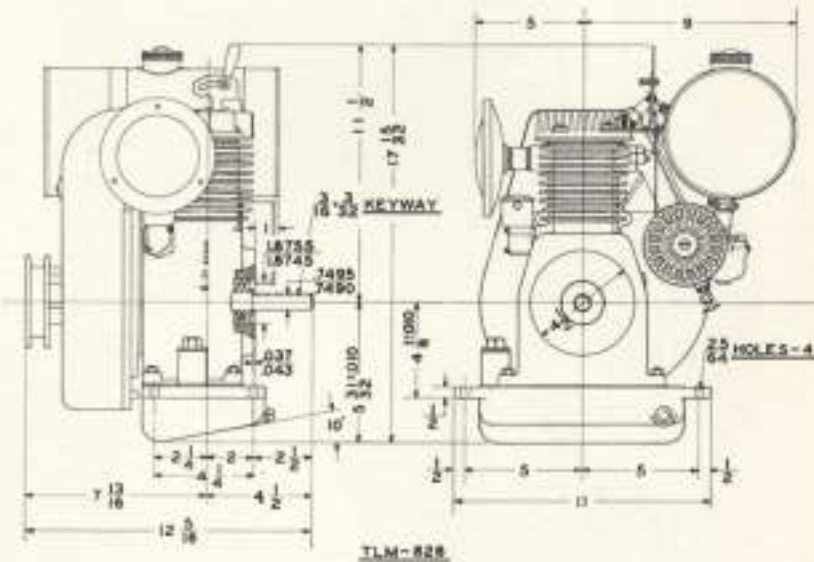
Approx. domestic shipping weight	40 lbs.
Approx. export shipping weight	50 lbs.
Approx. dimensions boxed for export	$16" \times 14" \times 15"$
Angle of operation	$15^\circ$ maximum



### SPECIFICATIONS TLM-826

Net weight	53 lbs.
Oil capacity	$3\frac{1}{4}$ pints
Fuel tank capacity	1 gal.
Starter	Rope
Finish	Blue enamel Other colors available

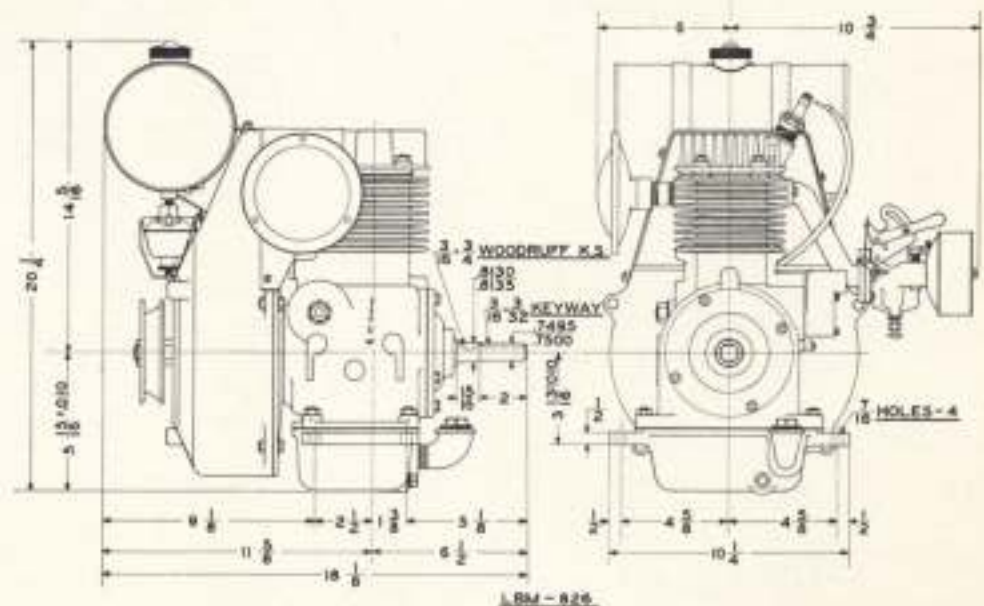
Approx. domestic shipping weight	60 lbs.
Approx. export shipping weight	85 lbs.
Approx. dimensions boxed for export	$21" \times 18" \times 19"$
Angle of operation	$15^\circ$ maximum



### SPECIFICATIONS LBM-826

Net weight	95 lbs.
Oil capacity	$1\frac{1}{2}$ quarts
Fuel tank capacity	1 gal.
Starter	Rope
Finish	Green enamel Other colors available

Approx. domestic shipping weight	110 lbs.
Approx. export shipping weight	150 lbs.
Approx. dimensions boxed for export	$23" \times 19" \times 21"$
Angle of operation	$15^\circ$ maximum





## RCM-826-1 H. P.

This is the type RCR engine adapted to marine service. For detailed specifications see page 10.

This water cooled 1 H.P. inboard marine engine is suitable for installation in boats of 12 to 14 feet in length, giving 2 to 8 miles per hour. It is also suitable for operating generators, pumps and similar equipment in boats. Fuel consumption is approximately one gallon in ten hours.

Standard equipment includes Tillotson carburetor, with air cleaner and flame arrester, marine type base with oil pump, gasoline tank, gasoline strainer, all bronze belt driven water pump and hand throttle control. Remote type throttle control with 6 feet of cable is available as additional equipment. Ball bearing construction eliminates need for end thrust bearing to take propeller thrust on propeller shaft. A silent muffler is available as additional equipment.

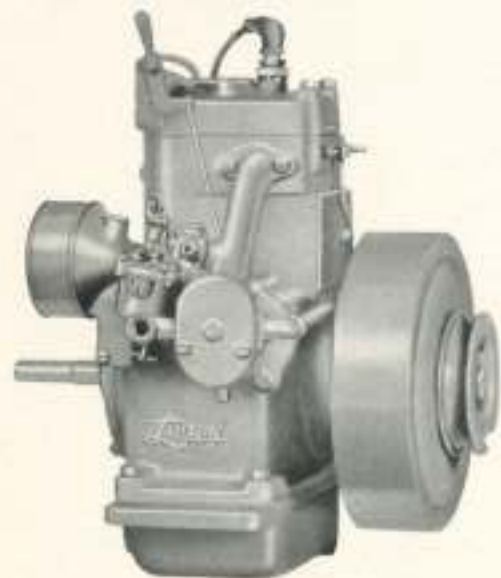


## LF-822-2 1/2 H. P.

This is the type LFR engine adapted to marine service. For detailed specifications see page 10.

The LF-822, 2 1/2 H.P. vertical water cooled engine is especially intended to furnish power for pumps, generators and similar requirements in marine service. Fuel consumption is approximately 2 1/2 gallons in 10 hours.

Standard equipment includes sensitive flyball governor, float feed carburetor and belt driven bronze water pump. Silent muffler, air cleaner and flame arrester are available as additional equipment.



## LF-826-2 1/2 H. P.

This is the type LFR engine adapted to marine service. For detailed specifications see page 10.

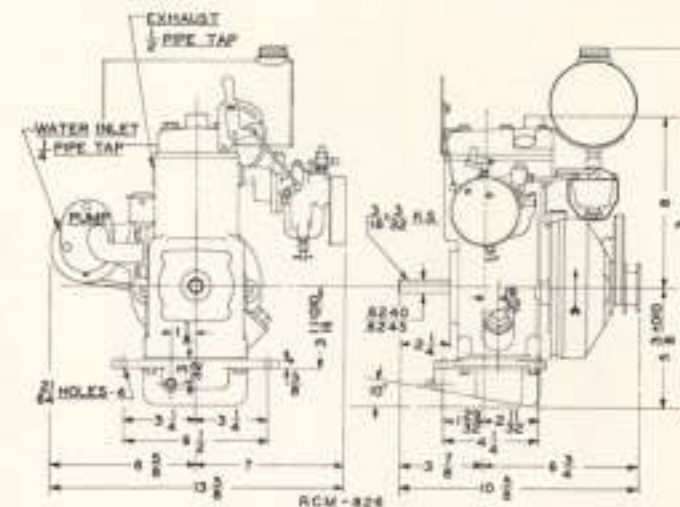
The LF-826, 2 1/2 H.P. water cooled engine is suitable for inboard mounting in boats 14 to 20 feet in length, giving 2 to 10 miles per hour. The fuel consumption is approximately 2 1/2 gallons in 10 hours.

Standard equipment includes Tillotson carburetor with air cleaner and flame arrester, marine type base with oil pump, bronze water pump and hand throttle control. Remote type of throttle control with 6 feet of cable is available as additional equipment. Timken roller bearing construction eliminates need for end thrust bearing to take propeller thrust on propeller shaft. A silent muffler is available as additional equipment.

### SPECIFICATIONS RCM-826

Net weight .....	39 lbs.
Oil capacity .....	1 1/2 pints
Fuel tank capacity .....	3/4 gal.
Starter .....	Rope
Finish .....	Green enamel Other colors available

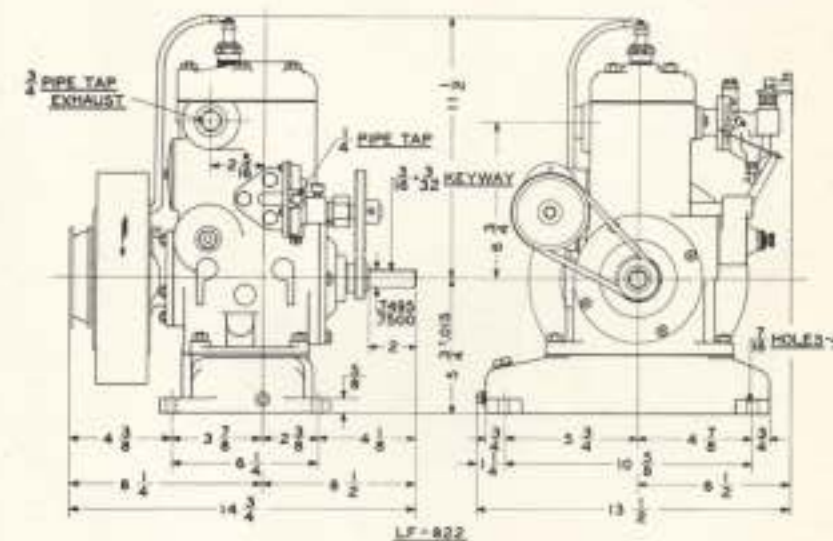
Approx. domestic shipping weight .....	45 lbs.
Approx. export shipping weight .....	55 lbs.
Approx. dimensions boxed for export .....	16"x14"x15"
Angle of operation .....	15° maximum



### SPECIFICATIONS LF-822

Net weight .....	88 lbs.
Oil capacity .....	3 pints
Starter .....	Rope
Finish .....	Grey enamel Other colors available

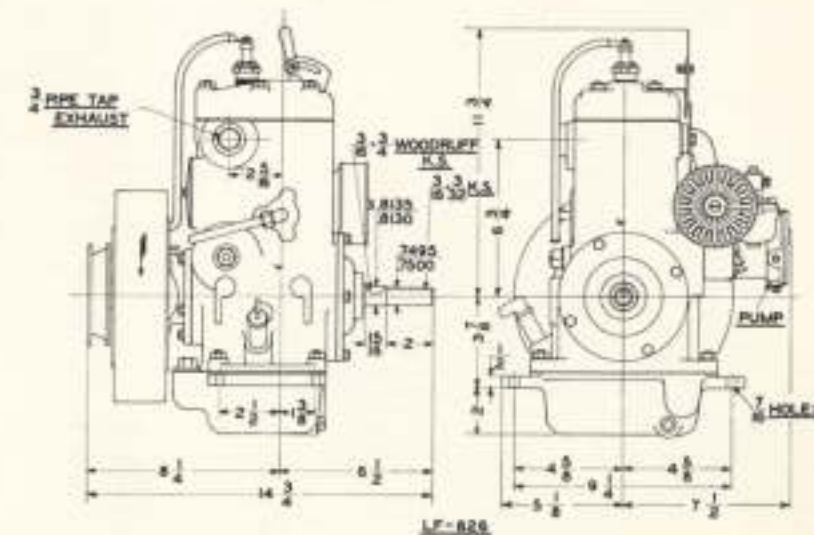
Approx. domestic shipping weight .....	115 lbs.
Approx. export shipping weight .....	125 lbs.
Approx. dimensions boxed for export .....	23"x19"x21"
Angle of operation .....	15° maximum



### SPECIFICATIONS LF-826

Net weight .....	88 lbs.
Oil capacity .....	2 1/4 pints
Starter .....	Rope
Finish .....	Grey enamel Other colors available

Approx. domestic shipping weight .....	115 lbs.
Approx. export shipping weight .....	125 lbs.
Approx. dimensions boxed for export .....	23"x19"x21"
Angle of operation .....	15° maximum





## LF-821—2½ H. P.

This is the type LFR engine adapted to marine service. For detailed specifications see page 10.

This LF-821, 2½ H.P. water cooled engine is suitable for installation in boats 14 to 20 feet in length, giving 2 to 10 miles per hour. The fuel consumption is approximately 2½ gallons in 10 hours.

Standard equipment includes Twin Disc clutch, Tillotson carburetor with air cleaner and flame arrester, marine type base with oil pump, bronze water pump and hand throttle control. Remote type of throttle control with 6 feet of cable is available as additional equipment. Ball bearing construction eliminates need for end thrust bearing to take propeller thrust on propeller shaft. A silent muffler is available as additional equipment.



## LF-827—2½ H. P.

This is the type LFR engine adapted to marine service. For detailed specifications see page 10.

This LF-827, 2½ H.P. vertical water cooled engine is suitable for installation in boats 14 to 20 feet in length, giving 2 to 10 miles per hour. The fuel consumption is approximately 2½ gallons in 10 hours.

Standard equipment includes Paragon reverse gear, Tillotson carburetor with air cleaner and flame arrester, marine type base with oil pump, bronze water pump and hand throttle control. Remote type of throttle control with 6 feet of cable is available as additional equipment. Ball bearing construction eliminates need for end thrust bearing to take propeller thrust on propeller shaft. A silent muffler is available as additional equipment.

## LF-847—2½ H. P.

This is the type LFR engine adapted to marine service. For detailed specifications see page 10.

The LF-847, 2½ H.P. water cooled engine is suitable for installation in boats 16 to 30 feet in length, giving 2 to 8 miles per hour. The fuel consumption is approximately 2½ gallons in 10 hours.

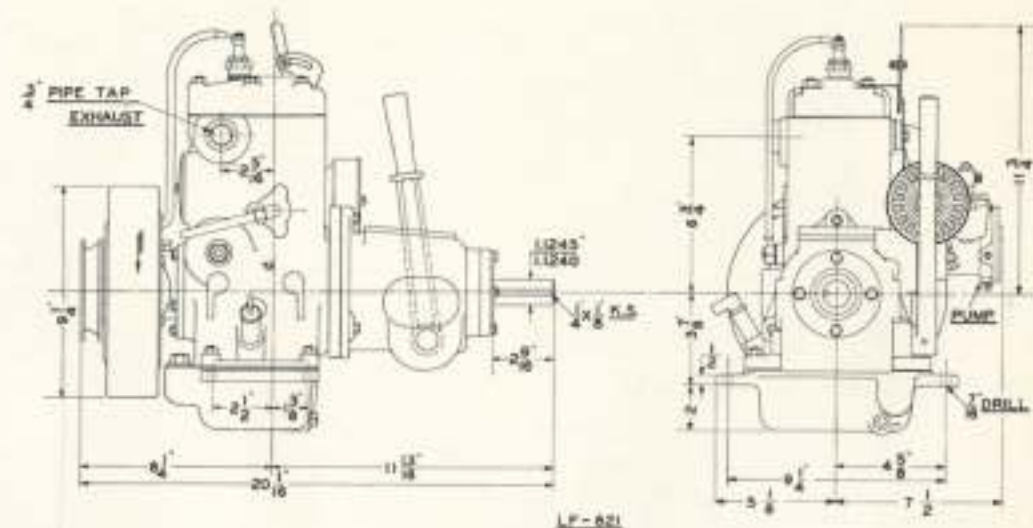
Standard equipment includes Twin Disc clutch and 3:1 gear reduction, Tillotson carburetor with air cleaner and flame arrester, marine type base with oil pump, bronze water pump and hand throttle control. Remote type of throttle control with 6 feet of cable is available as additional equipment. Ball bearing construction eliminates need for end thrust bearing to take propeller thrust on propeller shaft. A silent muffler is available as additional equipment.



### SPECIFICATIONS LF-821

Net weight ..... 110 lbs.  
Oil capacity ..... 2¼ pints  
Starter ..... Rope  
Finish ..... Grey enamel  
Other colors available

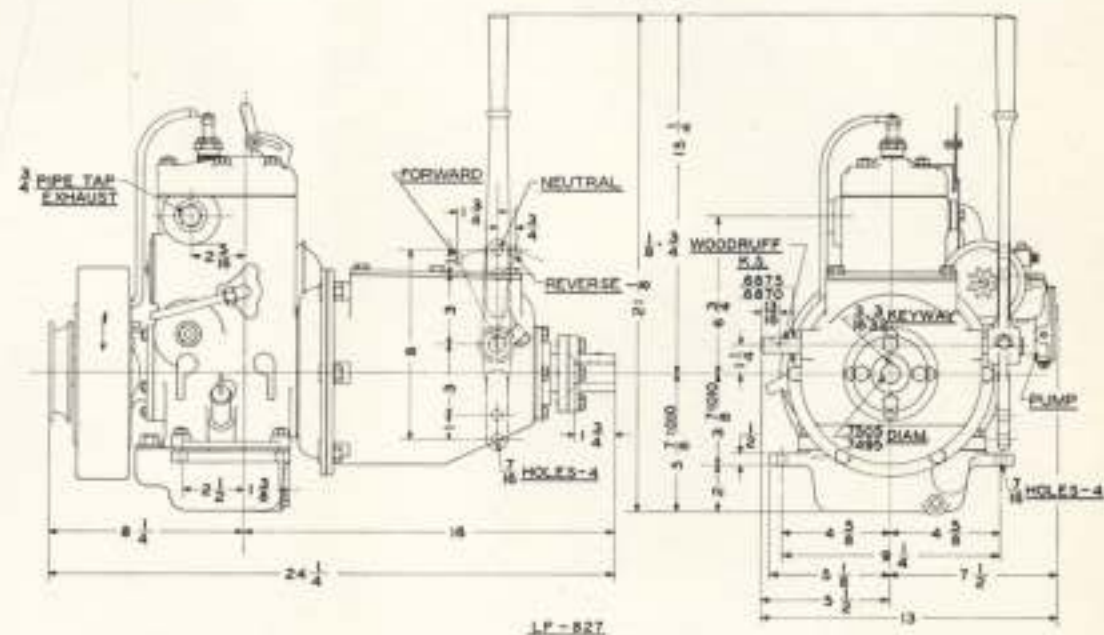
Approx. domestic shipping weight 150 lbs.  
Approx. export shipping weight . 165 lbs.  
Approx. dimensions boxed for  
export ..... 27"x19"x21"  
Angle of operation ..... 15° maximum



### SPECIFICATIONS LF-827

Net weight ..... 140 lbs.  
Oil capacity ..... 2¼ pints  
Starter ..... Rope  
Finish ..... Grey enamel  
Other colors available

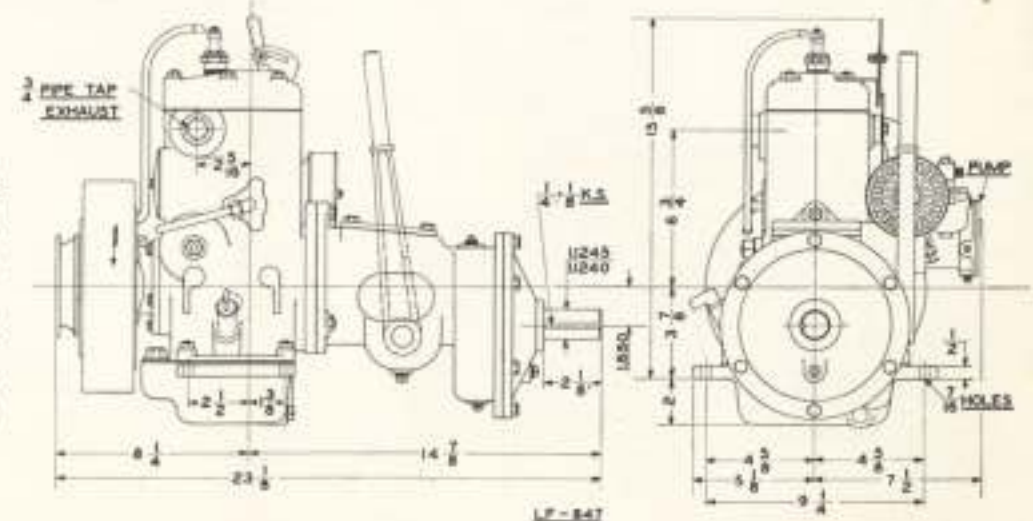
Approx. domestic shipping weight ..... 175 lbs.  
Approx. export shipping weight ..... 190 lbs.  
Approx. dimensions boxed for export ..... 30"x19"x21"  
Angle of operation 15° maximum



### SPECIFICATIONS LF-847

Net weight ..... 126 lbs.  
Oil capacity ..... 2¼ pints  
Starter ..... Rope  
Finish ..... Grey enamel  
Other colors available

Approx. domestic shipping weight . 160 lbs.  
Approx. export shipping weight . 175 lbs.  
Approx. dimensions boxed for  
export ..... 30"x19"x21"  
Angle of operation ..... 15° maximum



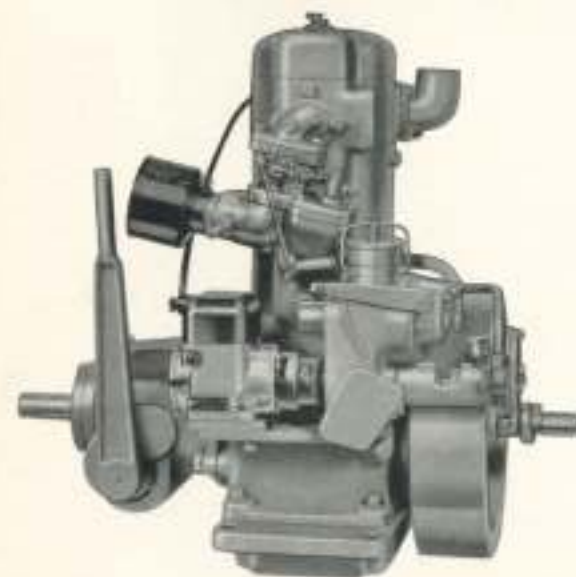


## ZW-926—5 to 5½ H. P.

This is type ZWR engine adapted to marine service. For detailed specifications see page 12.

This 5 to 5½ H.P. vertical water-cooled engine is suitable for installation in boats 16 to 24 feet in length, giving 2 to 10 miles per hour. It can be used as auxiliary power in larger boats. The fuel consumption is approximately 5 gallons in 10 hours.

Standard equipment includes sensitive flyball governor, with convenient speed adjustment, high tension magneto with impulse starter, and bronze water pump. Flame arrester and air cleaners are available as additional equipment. This engine is also furnished less governor, with hand throttle control or remote type control with 6 feet of cable. Timken bearings on crank-shaft eliminate need for end thrust bearing to take propeller thrust on propeller shaft.



## ZW-921—5 to 5½ H. P.

This is the type ZWR engine adapted to marine service. For detailed specifications see page 12.

This 5 to 5½ H.P. vertical water-cooled engine is suitable for installation on boats 16 to 24 feet in length, giving 2 to 10 miles per hour. Fuel consumption is approximately 5 gallons in 10 hours.

Standard equipment includes Twin Disc clutch, sensitive flyball governor with convenient speed adjustment; high tension magneto with impulse starter and bronze water pump. Flame arrester and air cleaners are available as additional equipment. This engine is also furnished less governor, with hand throttle control or remote type of control with 6 feet of cable. Ball bearings on the clutch shaft eliminate need for end thrust bearing to take propeller thrust on propeller shaft.



## ZW-927—5 to 5½ H. P.

This is the type ZWR engine adapted to marine service. For detailed specifications see page 12.

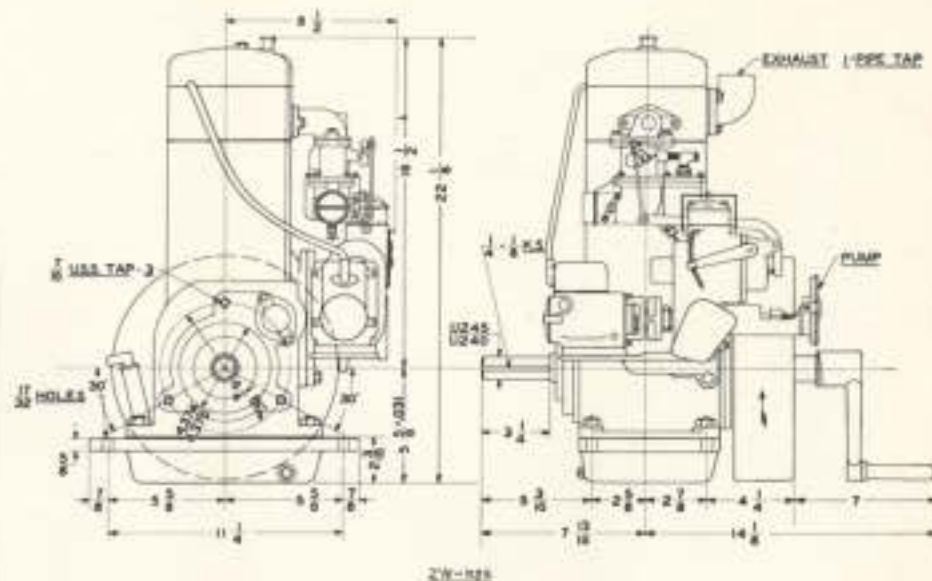
This 5 to 5½ H.P. vertical water-cooled engine is suitable for installation in boats 16 to 24 feet in length, giving 2 to 10 miles per hour. Fuel consumption is approximately 5 gallons in 10 hours.

Standard equipment includes Paragon reverse gear, sensitive flyball governor with convenient speed adjustment; high tension magneto with impulse starter and bronze water pump. Flame arrester and air cleaners are available as additional equipment. This engine is also furnished less governor, with hand throttle control or remote type control with 6 feet of cable. Ball bearings on the drive shaft eliminate need for end thrust bearing to take propeller thrust on propeller shaft.

### SPECIFICATIONS ZW-926

Net weight..... 162 lbs.  
Oil capacity..... 3 pints  
Starter..... Hand crank  
Finish..... Grey enamel  
Other colors available

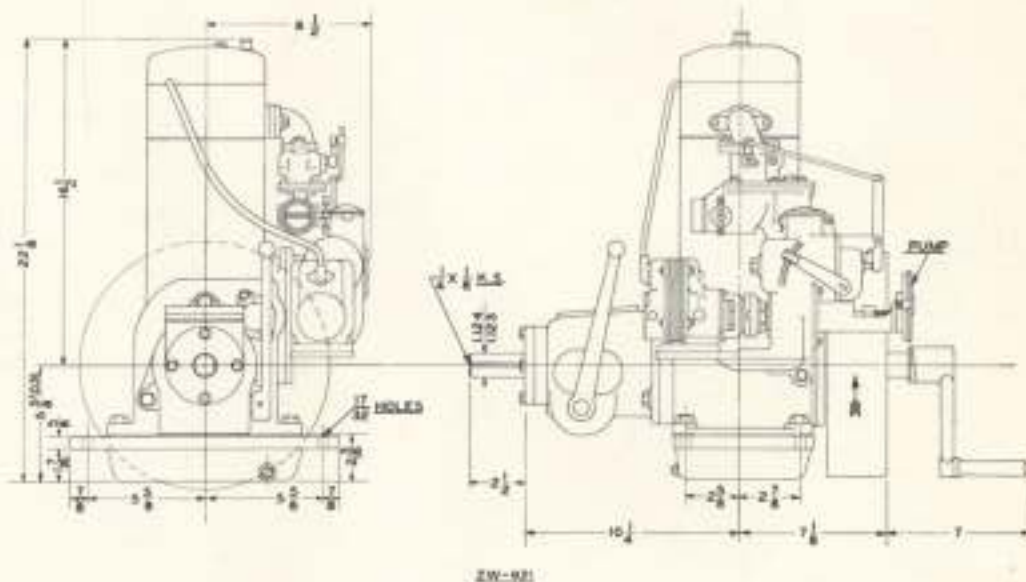
Approx. domestic shipping weight... 200 lbs.  
Approx. export shipping weight... 225 lbs.  
Approx. dimensions boxed for export..... 21" x 16" x 26"  
Angle of operation..... 15° maximum



### SPECIFICATIONS ZW-921

Net weight..... 184 lbs.  
Oil capacity..... 3 pints  
Starter..... Hand crank  
Finish..... Grey enamel  
Other colors available

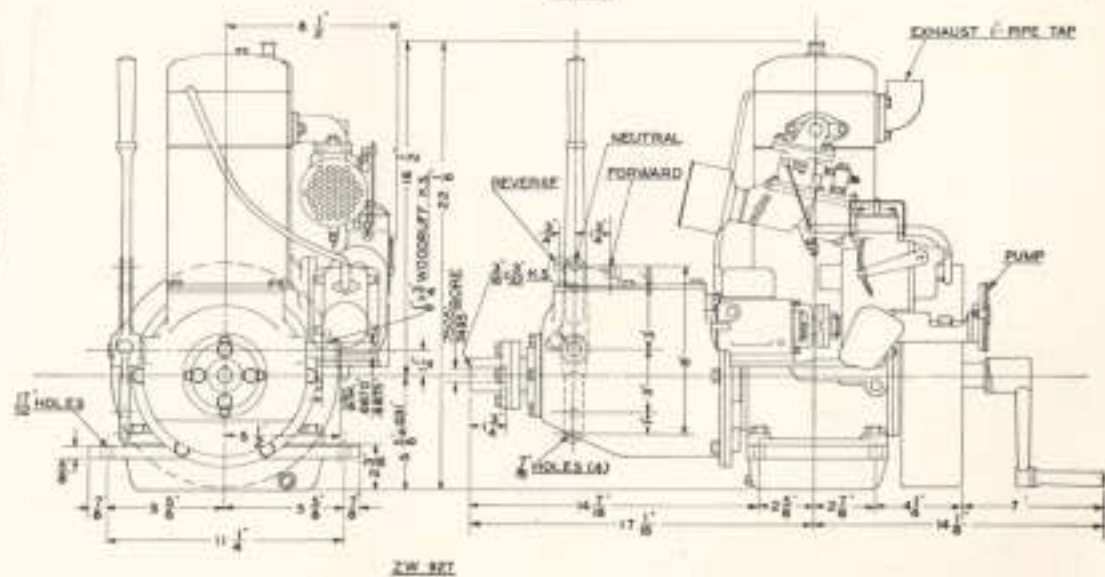
Approx. domestic shipping weight..... 220 lbs.  
Approx. export shipping weight 245 lbs.  
Approx. dimensions boxed for export..... 27" x 16" x 26"  
Angle of operation..... 15° maximum



### SPECIFICATIONS ZW-927

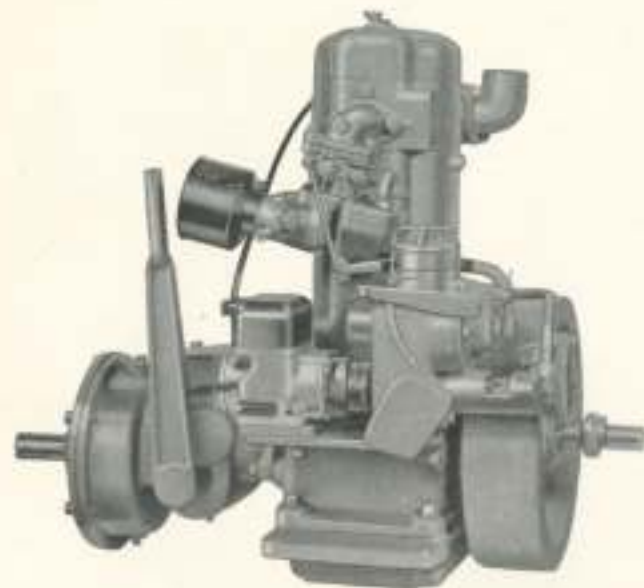
Net weight..... 214 lbs.  
Oil capacity..... 3 pints  
Starter..... Hand crank  
Finish..... Grey enamel  
Other colors available

Approx. domestic shipping weight..... 265 lbs.  
Approx. export shipping weight..... 290 lbs.  
Approx. dimensions boxed for export..... 34" x 16" x 26"  
Angle of operation 15° maximum



# LAUSON

## ZW-947-5 to 5½ H. P.



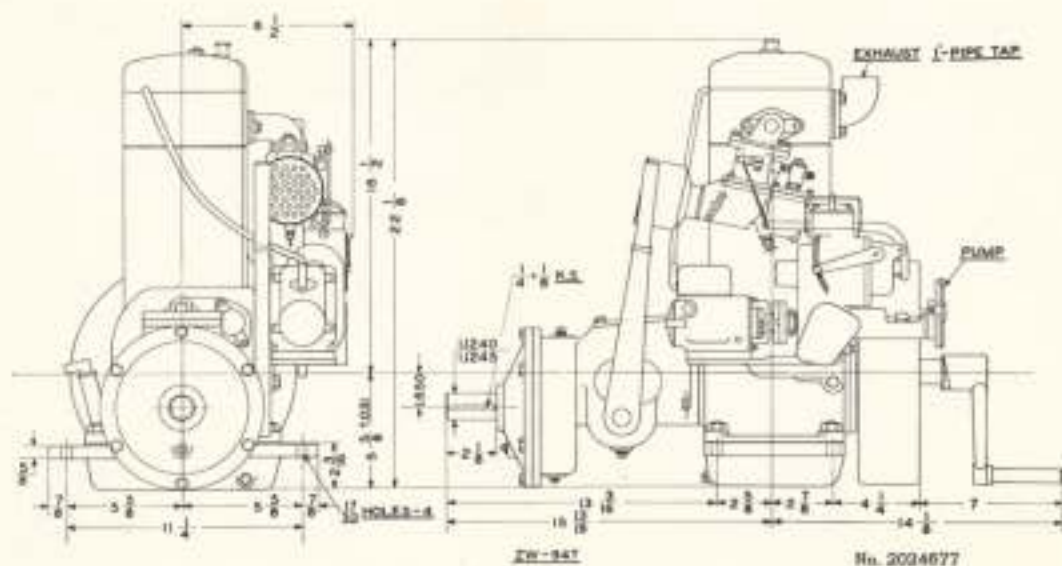
This is the type ZWR engine adapted to marine service. For detailed specifications see page 12.

This 5 to 5½ H.P. vertical water-cooled engine is suitable for installation in boats 16 to 30 feet in length, giving 2 to 8 miles per hour. Fuel consumption is approximately 5 gallons in 10 hours.

Standard equipment includes Twin Disc clutch and 3:1 internal gear speed reducer, sensitive flyball governor with convenient speed adjustment, high tension magneto with impulse starter and bronze water pump. Flame arrester and air cleaners are available as additional equipment. This engine is also furnished less governor, with hand throttle control or remote type control with 6 feet of cable. Ball bearings on the drive shaft eliminate need for end thrust bearing to take propeller thrust on propeller shaft.

### SPECIFICATIONS ZW-947

Net weight .....	200 lbs.
Oil capacity .....	3 pints
Starter .....	Hand crank
Finish .....	Grey enamel
	Other colors available
Approx. domestic shipping weight .....	250 lbs.
Approx. export shipping weight .....	275 lbs.
Approx. dimensions boxed for export .....	32"x16"x26"
Angle of operation .....	15° maximum



ZW-947

No. 2024677

## LAUSON AUTOMATIC PULLEY

The Lauson Automatic Friction Clutch Pulley when applied to gasoline engine or electric motor permits the starting of the engine or motor, giving it an opportunity to reach its normal speed before the load is automatically applied. It simplifies starting small compressors for refrigeration use, pumps of various types, milking machines and numerous other kinds of power driven equipment.

Centrifugal clutch pulleys overcome entirely the difficulties experienced in starting a load requiring a large starting torque.

The Lauson clutch enables the motor or engine to accelerate to a pre-determined speed without load; after which the clutch picks up the load and locks into position in a manner which prevents slippage.

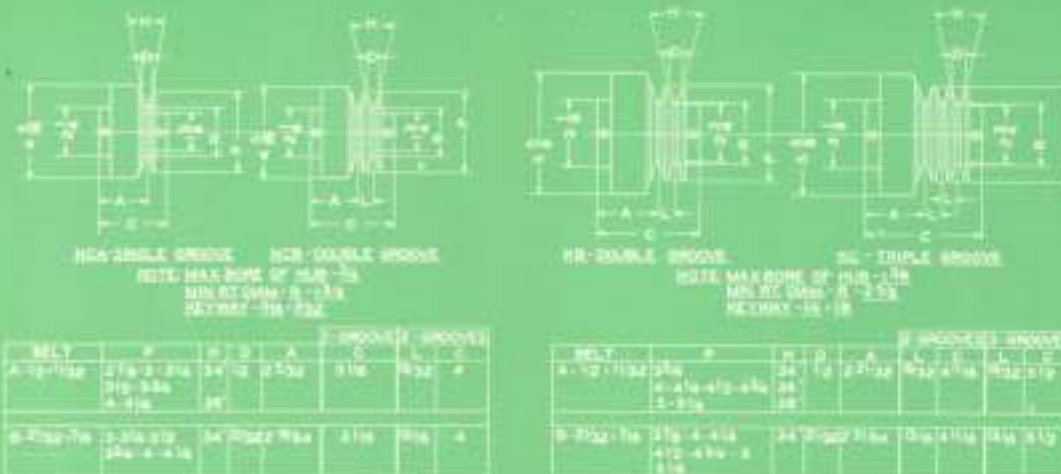
Model "NC" for use on electric motors up to 1 H.P. and gasoline engines up to 2½ H.P.

Model "K" for use on electric motors 1-2 H.P. or gasoline engines 2-3 H.P.

When ordering pulley, advise diameter of pulley, pitch of belt, size of shaft, H.P. load and speed at which pulley will run.



U. S. Patent 2024677



MODEL	P	H	D	A	C	F	GROOVES	SHOULDER
A-10-10-2	2 1/4 - 2 3/4	1 1/2	2 1/2	2 1/2	1 1/2	1 1/2	2	1/2
B-10-10-2	2 1/4 - 2 3/4	1 1/2	2 1/2	2 1/2	1 1/2	1 1/2	2	1/2
C-10-10-2	2 1/4 - 2 3/4	1 1/2	2 1/2	2 1/2	1 1/2	1 1/2	2	1/2

MODEL	P	H	D	A	C	F	GROOVES	SHOULDER
A-10-10-2	2 1/4 - 2 3/4	1 1/2	2 1/2	2 1/2	1 1/2	1 1/2	2	1/2
B-10-10-2	2 1/4 - 2 3/4	1 1/2	2 1/2	2 1/2	1 1/2	1 1/2	2	1/2
C-10-10-2	2 1/4 - 2 3/4	1 1/2	2 1/2	2 1/2	1 1/2	1 1/2	2	1/2

## SPECIAL NOTE

SAMPLES OF ALL TYPES OF LAUSON ENGINES ARE AVAILABLE FOR EXPERIMENTAL PURPOSES

LAUSON ENGINEERS WILL COOPERATE FREELY IN HELPING CUSTOMERS WITH ENGINE APPLICATIONS